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National Cooperative Dairy Herd Improvement Program

CURRENT SERIAL RECORDS



A plan for every size herd

STANDARD DHIA

OWNER SAMPLER

WEIGH-A-DAY-A-MONTH

AGRICULTURAL RESEARCH SERVICE, U. S. DEPARTMENT OF AGRICULTURE

Dairy-Herd-Improvement Letter

ARS-44-158
(Vol. 41, No. 3)

April-May 1965

U.S. ARTIFICIAL INSEMINATION (AI) PARTICIPATION REPORT FOR 1964

An estimated total of 7,747,953 cows were bred artificially in the U.S. in 1964. Dairy to dairy and beef to beef inseminations were 6,165,599 and 464,959 cows, respectively. Of the 7,282,994 dairy cow total, 15.3 percent, or 1,117,395, represented inseminations by beef bulls.

Because of incomplete reporting, portions of the tabular material presented in this report are estimations based on averages from complete reports. The report includes two strictly beef operations and a report of services performed for individual ranchers who have their own beef bulls.

Table 1 shows that 41.4 percent of the nation's cows and heifers which were bred for dairy purposes were bred artificially, of which an estimated 10.6 percent were registered. The top 10 States in number and percentage of dairy cows bred artificially by dairy and beef bulls are as follows:

| <u>Rank</u> | <u>State</u> | <u>No. of dairy cows bred artificially</u> | <u>State</u> | <u>Pct. of dairy cows bred artificially</u> |
|-------------|--------------|--|--------------|---|
| 1 | Wis. | 1,392,274 | Pa. | 64.1 |
| 2 | N. Y. | 707,237 | Conn. | 60.3 |
| 3 | Minn. | 644,047 | Maine | 59.4 |
| 4 | Pa. | 583,690 | Wis. | 58.5 |
| 5 | Calif. | 378,892 | Mass. | 57.8 |

Issued June 1965

| <u>Rank</u> | <u>State</u> | <u>No. of dairy cows bred artificially</u> | <u>State</u> | <u>Pct. of dairy cows bred artificially</u> |
|-------------|--------------|--|--------------|---|
| 6 | Mich. | 371,683 | Wash. | 55.7 |
| 7 | Ohio | 331,363 | Fla. | 55.3 |
| 8 | Iowa | 279,122 | Mich. | 55.2 |
| 9 | Ill. | 236,965 | N. J. | 55.1 |
| 10 | Ind. | 144,886 | N. H. | 53.8 |

Table 2 summarizes the AI program since 1939.

Table 3 shows that an estimated 654,311 herds received AI service in 1964. A total of 1,867 dairy and 449 beef bulls were reported in service during 1964. Also reported were inseminations to 2,731 swine and 1,845 goats.

The accompanying map illustrates the AI density in the United States in 1964.

TABLE 1---Status of artificial breeding in the United States, January 1, 1965

| State | Studs 1/ | Cows bred during 1964-- | | | | All U.S. milk cows 3/ | Dairy cows bred as pct. of all milk cows 4/ |
|----------------------|----------|-------------------------|-------------|------------|-----------|-----------------------|---|
| | | Reg. dairy 2/ | Total dairy | Dairy cows | Beef cows | | |
| | Number | Number | Number | Number | Number | Thousands | Percent |
| Alabama----- | 0 | 4,647 | 39,071 | 6,686 | 2,809 | 220 | 20.8 |
| Alaska----- | 1 | 88 | 1,202 | 40 | -- | 3 | 41.4 |
| Arizona----- | 0 | 1,202 | 14,383 | 2,325 | 270 | 57 | 29.3 |
| Arkansas----- | 0 | 2,078 | 18,626 | 4,030 | 3,511 | 188 | 12.1 |
| California----- | 5 | 28,400 | 340,753 | 38,139 | 6,163 | 867 | 43.7 |
| Colorado----- | 5/2 | 5,007 | 39,767 | 3,545 | 6/7,406 | 118 | 36.7 |
| Connecticut----- | 1 | 6,583 | 42,609 | 7,422 | 1,406 | 83 | 60.3 |
| Delaware----- | 0 | 1,904 | 6,571 | 1,368 | 163 | 25 | 31.8 |
| Florida----- | 0 | 1,580 | 92,738 | 8,923 | 5,534 | 184 | 55.3 |
| Georgia----- | 0 | 5,429 | 42,589 | 7,560 | 2,748 | 197 | 25.5 |
| Hawaii----- | 0 | 420 | 3,306 | 597 | 185 | 15 | 26.0 |
| Idaho----- | 0 | 5,023 | 73,201 | 11,239 | 6/8,199 | 204 | 41.4 |
| Illinois----- | 3 | 33,956 | 197,242 | 39,723 | 20,174 | 517 | 45.8 |
| Indiana----- | 1 | 16,004 | 123,329 | 21,557 | 9,979 | 419 | 34.6 |
| Iowa----- | 1 | 18,181 | 227,230 | 51,892 | 29,178 | 835 | 33.4 |
| Kansas----- | 1 | 8,307 | 71,065 | 10,129 | 11,268 | 311 | 26.1 |
| Kentucky----- | 1 | 14,575 | 97,594 | 25,458 | 8,964 | 501 | 24.6 |
| Louisiana----- | 1 | 7,293 | 48,923 | 15,176 | 5,320 | 245 | 26.2 |
| Maine----- | 1 | 4,997 | 49,186 | 6,624 | 535 | 94 | 59.4 |
| Maryland----- | 1 | 11,751 | 78,301 | 10,760 | 1,460 | 219 | 40.7 |
| Massachusetts----- | 0 | 6,415 | 43,167 | 7,678 | 1,089 | 88 | 57.8 |
| Michigan----- | 1 | 36,332 | 322,761 | 48,922 | 6,024 | 673 | 55.2 |
| Minnesota----- | 2 | 34,458 | 539,117 | 104,930 | 10,020 | 1,407 | 45.8 |
| Mississippi----- | 1 | 4,524 | 37,187 | 8,030 | 3,046 | 303 | 14.9 |
| Missouri----- | 0 | 11,763 | 93,200 | 35,816 | 10,890 | 608 | 21.2 |
| Montana----- | 0 | 604 | 11,496 | 793 | 6/21,285 | 73 | 16.8 |
| Nebraska----- | 0 | 5,604 | 47,822 | 9,276 | 6/30,405 | 301 | 19.0 |
| Nevada----- | 0 | 247 | 2,960 | 500 | 6/859 | 17 | 20.4 |
| New Hampshire----- | 1 | 4,291 | 23,061 | 4,356 | 119 | 51 | 53.8 |
| New Jersey----- | 0 | 6,445 | 56,633 | 8,943 | 521 | 119 | 55.1 |
| New Mexico----- | 0 | 2,322 | 17,276 | 2,143 | 2,233 | 43 | 45.2 |
| New York----- | 1 | 119,350 | 613,496 | 93,741 | 3,785 | 1,325 | 53.4 |
| North Carolina----- | 1 | 9,924 | 70,269 | 11,971 | 5,033 | 261 | 31.5 |
| North Dakota----- | 0 | 1,461 | 26,094 | 4,274 | 4,590 | 262 | 11.6 |
| Ohio----- | 2 | 45,510 | 273,397 | 57,966 | 21,225 | 636 | 52.1 |
| Oklahoma----- | 0 | 2,670 | 25,728 | 2,097 | 3,892 | 212 | 13.1 |
| Oregon----- | 0 | 4,734 | 52,174 | 14,841 | 10,188 | 150 | 44.7 |
| Pennsylvania----- | 3 | 128,701 | 486,577 | 97,113 | 8,838 | 911 | 64.1 |
| Puerto Rico----- | 1 | 6,226 | 50,802 | 4,245 | -- | -- | -- |
| Rhode Island----- | 0 | 594 | 4,388 | 740 | 91 | 12 | 42.7 |
| South Carolina----- | 0 | 3,938 | 25,604 | 3,167 | 1,011 | 98 | 29.4 |
| South Dakota----- | 0 | 2,295 | 26,907 | 3,690 | 6/26,487 | 256 | 12.0 |
| Tennessee----- | 3 | 12,894 | 85,575 | 12,030 | 13,041 | 495 | 19.7 |
| Texas----- | 1 | 4,580 | 74,368 | 10,763 | 17,517 | 523 | 16.3 |
| Utah----- | 1 | 2,475 | 41,966 | 6,047 | 1,870 | 99 | 48.5 |
| Vermont----- | 0 | 18,096 | 109,186 | 20,488 | 3,231 | 266 | 48.7 |
| Virginia----- | 1 | 15,162 | 92,917 | 13,693 | 4,188 | 327 | 32.6 |
| Washington----- | 2 | 11,066 | 110,641 | 29,703 | 18,185 | 252 | 55.7 |
| West Virginia----- | 0 | 1,395 | 18,467 | 2,407 | 2,908 | 117 | 17.8 |
| Wisconsin----- | 6 | 88,921 | 1,169,179 | 223,095 | 15,216 | 2,378 | 58.5 |
| Wyoming----- | 0 | 362 | 5,498 | 744 | 6/10,062 | 28 | 22.3 |
| Armour and Co. 7/- | - | -- | -- | -- | 30,318 | -- | -- |
| Reported by NAAB 7/- | - | -- | -- | -- | 51,520 | -- | -- |
| United States----- | 46 | 770,784 | 6,165,599 | 1,117,395 | 464,959 | 17,593 | 41.4 |

1/ States without studs purchase semen from studs in other States. See table 3 for location of studs.

2/ Data for registered dairy cows may be all or partially estimated when incomplete report was given.

3/ Preliminary figures for number of cows and heifers two years old and over kept for milk; estimated by the Statistical Reporting Service.

4/ Percentage of all dairy cows bred included in the artificial insemination program.

5/ One all-beef stud in Colorado serviced 30,000 beef cows in 6 States; see table 3, footnote 2.

6/ Includes cows serviced by an all-beef stud in Colorado; see table 3, footnote 2 for breakdown.

7/ These figures are included in U.S. totals, but not apportioned by States. For report from NAAB, see table 3, footnote 3 for breakdown.

TABLE 2.--Status of artificial-breeding program in the United States (1939-1965, inclusive)

| Year | Studs | Sires in service | | | Average per stud | Herd ¹ / Number | Dairy cows bred to dairy bulls | | Beef cows bred to beef bulls | Total cattle bred | Cows bred per sire |
|------|-------|------------------|------|-------|---------------------|-------------------------------|--------------------------------------|-----------|------------------------------------|-------------------------|-----------------------|
| | | Dairy | Beef | Total | | | Number | Number | | | |
| 1939 | 7 | -- | -- | 33 | 4.7 | 646 | -- | -- | -- | 7,359 | 228 |
| 1940 | 25 | -- | -- | 138 | 5.5 | 2,971 | -- | -- | -- | 33,977 | 246 |
| 1941 | 35 | -- | -- | 237 | 6.8 | 5,997 | -- | -- | -- | 70,751 | 299 |
| 1942 | 46 | -- | -- | 412 | 9.0 | 12,118 | -- | -- | -- | 112,788 | 274 |
| 1943 | 59 | -- | -- | 574 | 9.7 | 23,448 | -- | -- | -- | 182,524 | 318 |
| 1944 | 56 | -- | -- | 657 | 11.7 | 28,627 | -- | -- | -- | 218,070 | 332 |
| 1945 | 67 | -- | -- | 729 | 10.9 | 43,998 | -- | -- | -- | 360,732 | 495 |
| 1946 | 78 | -- | -- | 900 | 11.5 | 73,293 | -- | -- | -- | 537,376 | 597 |
| 1947 | 84 | -- | -- | 1,453 | 17.3 | 140,571 | -- | -- | -- | 1,184,168 | 815 |
| 1948 | 91 | -- | -- | 1,745 | 19.2 | 224,493 | -- | -- | -- | 1,713,581 | 982 |
| 1949 | 90 | -- | -- | 1,940 | 21.6 | 316,177 | -- | -- | -- | 2,091,175 | 1,078 |
| 1950 | 97 | -- | -- | 2,104 | 21.7 | 409,300 | -- | -- | -- | 2,619,555 | 1,245 |
| 1951 | 94 | -- | -- | 2,187 | 23.3 | 548,300 | -- | -- | -- | 3,509,573 | 1,605 |
| 1952 | 94 | -- | -- | 2,324 | 24.7 | 671,100 | -- | -- | -- | 4,295,243 | 1,848 |
| 1953 | 96 | -- | -- | 2,598 | 27.1 | 755,000 | -- | -- | -- | 4,845,222 | 1,865 |
| 1954 | 93 | -- | -- | 2,661 | 28.6 | 805,000 | -- | -- | -- | 5,155,240 | 1,937 |
| 1955 | 79 | -- | -- | 2,450 | 31.0 | 845,900 | -- | -- | -- | 5,413,874 | 2,210 |
| 1956 | 79 | -- | -- | 2,553 | 32.3 | 900,400 | -- | -- | -- | 5,762,656 | 2,257 |
| 1957 | 75 | -- | -- | 2,651 | 35.3 | 946,000 | -- | -- | -- | 6,055,982 | 2,284 |
| 1958 | 71 | -- | -- | 2,676 | 37.7 | 975,372 | -- | -- | -- | 6,645,568 | 2,483 |
| 1959 | 64 | -- | -- | 2,460 | 38.4 | 930,059 | -- | -- | -- | 6,932,294 | 2,816 |
| 1960 | 62 | -- | -- | 2,544 | 41.0 | 910,000 | -- | -- | -- | 7,144,679 | 2,808 |
| 1961 | 56 | -- | -- | 2,486 | 44.4 | 863,781 | 7,047,148 | 2/435,592 | -- | 7,482,740 | 3,010 |
| 1962 | 56 | 2,036 | 4,20 | 2,456 | 43.9 | 862,150 | 6,837,681 | 2/911,006 | -- | 7,748,687 | 3,155 |
| 1963 | 51 | 2,158 | 401 | 2,559 | 50.2 | 621,141 | 6,468,545 | 969,748 | 235,289 | 7,673,582 | 2,999 |
| 1964 | 3/50 | 2,140 | 398 | 2,538 | 50.8 | 654,311 | 6,165,599 | 1,117,395 | 464,959 | 7,747,953 | 3,053 |
| 1965 | 4/46 | 1,867 | 449 | 2,316 | 50.3 | -- | -- | -- | -- | -- | -- |

¹/ Prior to 1963, number of herds largely reflected membership rather than those actually serviced.

²/ Probably includes some beef to beef inseminations.

³/ Not shown are inseminations to 2,731 hogs and 1,845 goats.

⁴/ Includes one all-beef stud.

TABLE 3.--Artificial-breeding organization bull studs, January 1, 1965

| State, name, and location of studs | Herds serviced | Cows bred 1964 | | | | | Number and breed of bulls used | | | | | Inseminations of-- Swine Goats |
|--|----------------|----------------|---------------|--------------|-----------|----------|--------------------------------|----------|----------|--------|------------|-----------------------------------|
| | | Dairy total | Dairy to beef | Beef to beef | Total | Ayrshire | Brown Swiss | Guernsey | Holstein | Jersey | Short-Horn | Dane |
| ALASKA | | | | | | | | | | | | |
| Matanuska Valley Breeders Assn., Palmer----- | 50 | 901 | --- | --- | 901 | --- | --- | --- | 4 | --- | 1 | --- |
| CALIFORNIA | | | | | | | | | | | | |
| Adair Farms Inseminating Service, P.O. Box 88, Camarillo 93110----- | 40 | 7,100 | --- | --- | 7,100 | --- | --- | 12 | 12 | --- | --- | 24 |
| Dairy Breeders, Inc., P.O. Box 188, Davis-Excelsior Breeding Service, 7401 Adams, Rt. 1, Corona----- | 1/1,705 | 48,229 | 2,300 | 700 | 51,229 | 1 | --- | 5 | 9 | 4 | 2 | 4 |
| Jessup Breeders, 5471 San Fernando Rd. W., Glendale 91203----- | 1,143 | 105,255 | 9,690 | 4,754 | 119,699 | --- | 2 | 7 | 25 | 4 | --- | 3 |
| Pacific Breeders Co-op., Inc., 1464 Middle Two Rock Rd., Petaluma----- | 450 | 29,355 | 823 | 163 | 30,341 | --- | 3 | 7 | 5 | --- | 1 | 16 |
| COLORADO | | | | | | | | | | | | |
| Colorado State Univ., ABS, 809 City Park Avenue, Fort Collins----- | 1/1,172 | 10,318 | 677 | 3,073 | 14,068 | --- | --- | 1 | --- | - | 1 | 5 |
| CONNECTICUT | | | | | | | | | | | | |
| New England Selective Breeding Assn., Inc., Newton Rd., Woodbridge-- | 6,538 | 96,250 | 15,507 | 2,936 | 114,693 | 1 | 4 | 9 | 18 | 10 | --- | 6 |
| ILLINOIS | | | | | | | | | | | | |
| Curriess Breeding Service, Inc., Cary----- | 1/87,216 | 850,400 | 153,195 | 43,000 | 1,046,595 | 3 | 4 | 15 | 69 | 12 | - | 3 |
| Northern Ill. Breeding Co-op., Rt. 1, Hampshire-Southern Ill. Breeding Assn., Breeze----- | 8,000 | 79,645 | 12,823 | 6,836 | 99,304 | --- | 5 | 5 | 23 | --- | - | 1 |
| John A. Newman & Sons, Rt. 2, Box 21, Culver----- | 10,024 | 42,374 | 13,836 | 10,902 | 67,112 | --- | 5 | 15 | 2 | - | 3 | 10 |
| INDIANA | | | | | | | | | | | | |
| Eastern Iowa Breeders, Hiawatha----- | 25 | 400 | --- | --- | 400 | --- | --- | 6 | --- | - | --- | 6 |
| KANSAS | | | | | | | | | | | | |
| Kansas ABS Unit, Anderson Hall, Kansas State Univ., Manhattan----- | 7,000 | 33,916 | 4,701 | 4,630 | 43,247 | 4 | 2 | 1 | 19 | 2 | - | 4 |
| IOWA | | | | | | | | | | | | |
| Eastern Iowa Breeders, Hiawatha----- | 25,355 | 102,750 | 26,670 | 9,662 | 139,082 | --- | 5 | 7 | 20 | 1 | - | 2 |
| 1/ | | | | | | | | | | | | |
| 1/ Data may be all or partially estimated when incomplete report was given. | | | | | | | | | | | | |

TABLE 3.--Artificial-breeding organization bull studs, January 1, 1965 (con't.)

| State, name, and location of studs | Herds serviced | Dairy total | Dairy to beef | Beef to beef | Total | Ayrshire | Brown Guernsey | Ho-stein | Jer-sey | Red Dane | Short-horn | Beef | Total | Insemina-tions of Swine | Goats |
|---|----------------|-------------|---------------|--------------|---------|----------|----------------|----------|---------|----------|------------|------|-------|-------------------------|-------|
| KENTUCKY | | | | | | | | | | | | | | | |
| Ky. Artificial Breeding Assn., 1930 Herr Lane, Rt. 6, Louisville----- | 12,670 | 67,069 | 19,810 | 7,145 | 94,024 | -- | 5 | 5 | 16 | 9 | -- | 8 | 43 | -- | 3 |
| LOUISIANA | | | | | | | | | | | | | | | |
| La. Animal Breeders Coop., Inc., Box B. D. 04331, Baton Rouge 70803----- | 5,876 | 47,091 | 14,904 | 5,182 | 67,177 | -- | 6 | 8 | 7 | -- | 11 | 32 | -- | 6 | |
| MAINE | | | | | | | | | | | | | | | |
| Maine Breeding Coop., Inc., RFD 1, Augusta----- | 4,300 | 42,813 | 5,187 | 514 | 48,514 | 1 | -- | 12 | 14 | 13 | -- | 3 | 2 | 45 | -- |
| MARYLAND | | | | | | | | | | | | | | | |
| Maryland-West Virginia Bull Stud, Inc., P.O. Box 555, Frederick----- | 5,475 | 78,772 | 9,666 | 3,550 | 91,988 | 5 | 4 | 8 | 24 | 6 | -- | 8 | 55 | -- | 23 |
| MICHIGAN | | | | | | | | | | | | | | | |
| Mich. Animal Breeders Coop., Inc., P. O. Box 511, East Lansing----- | 19,784 | 240,706 | 36,444 | 3,000 | 280,150 | -- | 3 | 13 | 34 | 8 | 4 | 4 | 12 | 78 | -- |
| MINNESOTA | | | | | | | | | | | | | | | |
| Midwest Genes, Inc., Box 1/53, 941 111, Anoka 55303----- | 321,927 | 93,164 | 35,977 | 451,068 | -- | 7 | 16 | 80 | 3 | -- | 8 | 46 | 160 | -- | 2 |
| Minn. Valley Breeders Assn., New Prague----- | 48,408 | 249,021 | 54,368 | 3,098 | 306,487 | 2 | 3 | 9 | 49 | 1 | -- | 3 | 23 | 90 | -- |
| MISSISSIPPI | | | | | | | | | | | | | | | |
| Mississippi ABC, Box 354, State College----- | 3,100 | 17,124 | 3,600 | 600 | 21,324 | -- | -- | 4 | 4 | 6 | -- | -- | 3 | 17 | -- |
| NEW HAMPSHIRE | | | | | | | | | | | | | | | |
| New Hampshire-Vermont Breeding Assn., P. O. Box 350, Concord----- | 4,554 | 42,186 | 1/8,484 | 1/1,946 | 52,616 | 2 | -- | 10 | 12 | 11 | -- | -- | 4 | 39 | -- |
| NEW YORK | | | | | | | | | | | | | | | |
| New York ABC, Inc., P. O. Box 528, Ithaca 14851----- | 28,802 | 489,000 | 66,583 | 2,058 | 557,641 | 11 | 10 | 24 | 104 | 27 | -- | -- | 13 | 189 | 1 |
| NORTH CAROLINA | | | | | | | | | | | | | | | |
| N.C. Inst. Breeding Assn., Dept. of Animal Science, N.C. State Univ., Raleigh | 10 | 1,085 | -- | -- | 1,085 | -- | -- | -- | 17 | -- | -- | -- | -- | 17 | -- |
| OHIO | | | | | | | | | | | | | | | |
| Central Ohio Breeding Assn., 1224 Alton-Barbry Rd., Columbus 43204----- | 1/29,916 | 198,588 | 36,293 | 28,971 | 263,852 | 7 | 3 | 14 | 41 | 7 | -- | -- | 14 | 86 | -- |
| NOBA, Inc., P. O. Box 1015, Tiffin----- | 1/17,563 | 163,438 | 32,424 | 7,709 | 203,571 | -- | 3 | 11 | 30 | 14 | - | 1 | 12 | 71 | -- |

1/ Data may be all or partially estimated when incomplete report was given.

| | | | | | | | | | | | | | | | | |
|--------------|---|--------|---------|--------|--------|---------|----|----|----|----|----|----|----|----|-----|----|
| PENNSYLVANIA | Atlantic Breeders Coop., P.O. Box 254, Lancaster-- | 20,235 | 209,405 | 44,642 | 4,464 | 258,511 | 4 | 4 | 13 | 32 | 6 | -- | -- | 59 | -- | 43 |
| | Northeastern Breeders Assn., Inc., Box 90, Tunkhannock----- | | | 34,955 | 1,811 | 230,697 | 7 | 4 | 32 | 71 | 15 | -- | -- | 11 | 140 | -- |
| | Zimmerman Dairy Farm, Rt. 2, Lehighton----- | 17,072 | 193,931 | -- | -- | 1,800 | -- | -- | -- | 4 | -- | -- | -- | 4 | -- | 7 |
| | | 1/150 | 1,800 | -- | -- | 1,800 | -- | -- | -- | 4 | -- | -- | -- | 4 | -- | -- |
| PUERTO RICO | Puerto Rico Artificial Breeding Assn., P. O. Box 958, Dorado----- | 943 | 25,950 | -- | -- | 25,950 | -- | 4 | -- | 11 | -- | -- | -- | 15 | -- | -- |
| TENNESSEE | East Tenn. ABA, Rt. 10, Tipton Station Road, Knoxville----- | 4,600 | 25,196 | 6,935 | 3,184 | 35,315 | 2 | 1 | 5 | 10 | 8 | -- | 1 | 8 | 35 | -- |
| | Tenn. Artificial Breeding Assn., Rt. 2, Granny White Pike, Brentwood--- | 6,100 | 28,860 | 1,285 | 4,349 | 34,494 | -- | 3 | 3 | 6 | 5 | -- | -- | 4 | 21 | -- |
| | West Tenn. Artificial Breeding Assn., Box 38, Yorkville----- | 2,972 | 7,128 | 609 | 2,997 | 10,734 | -- | -- | -- | 5 | 5 | -- | -- | 6 | 16 | -- |
| TEXAS | Texas A & M Dairy Breed- ing Ctr., Dairy Science Dept., College Station-- | 1 | 309 | -- | -- | 309 | -- | -- | -- | 1 | -- | -- | -- | 11 | 12 | -- |
| UTAH | Cache Valley Breeding Assn., 1950 N. Main, Logan 84321----- | 8,103 | 59,745 | 7,687 | 13,125 | 80,557 | 3 | 3 | 25 | 1 | -- | 5 | 19 | 59 | -- | -- |
| VIRGINIA | Va. ABA, Inc., P. O. Box 391, Rocky Mount----- | 7,555 | 60,557 | 8,028 | 2,291 | 70,876 | 4 | -- | 7 | 15 | 5 | -- | -- | 4 | 35 | -- |
| WASHINGTON | All West Breeders, P. O. Box 197, Burlington 98233----- | 20,379 | 92,030 | 32,912 | 18,827 | 143,769 | -- | 1 | 11 | 17 | 15 | -- | 1 | -- | 45 | -- |
| | W. De Jong's Supreme Bull Service, Rt. 1, Monroe-- | 60 | 1,600 | 250 | 30 | 1,880 | -- | -- | -- | 4 | -- | -- | -- | 1 | 5 | -- |

Data may be all or partially estimated when incomplete report was given.

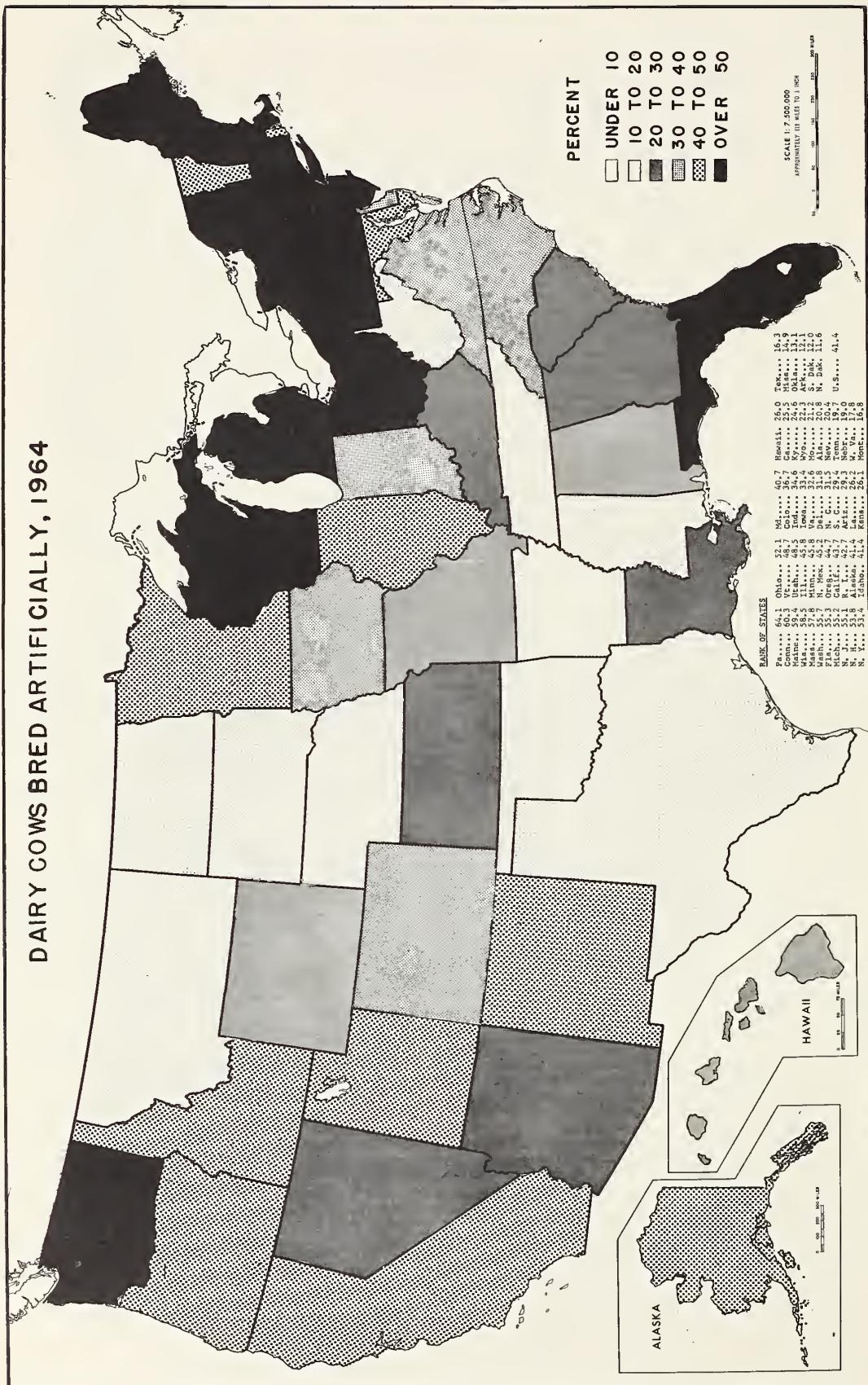
TABLE 3.--Artificial breeding organization bull studs, January 1, 1965 (con't.)

| State, name, and location of studs | Herds serviced | Cows bred 1964 | | | Number and breed of bulls used | | | | | Insemina- tions of-- | | | |
|--|-------------------|----------------|------------------|-----------|--------------------------------|---------------|----------------|---------------|-------------|-------------------------|------|-------|-------|
| | | Dairy total | Dairy to beef | Beef | Total | Ayr- shire | Brown Swiss | Guern- sey | Jer- sey | Short- horn | Beef | Total | Swine |
| WISCONSIN | | | | | | | | | | | | | |
| American Breeders Service, Inc. P. O. Box 3143, Madison----- | 1/ 121,485 | 1/ 1,155,591 | 1/ 199,657 | 102,578 | 1,457,826 | 3 | 5 | 7 | 68 | 10 | 2 | 48 | 143 |
| Associated Breeding Service, Lena----- | 1,191 | 12,452 | 3,564 | 225 | 16,241 | -- | -- | 3 | 12 | -- | -- | 5 | 20 |
| Badger Breeders Cooperative, P. O. Box 469, Shawano----- | 21,516 | 346,100 | 57,825 | 4,281 | 408,206 | -- | 6 | 13 | 29 | 2 | -- | 10 | 60 |
| East Central Breeders Assn., Coop., P. O. Box 191, Waupun----- | 4,856 | 72,990 | 16,800 | 400 | 90,190 | -- | 5 | 4 | 27 | -- | -- | 5 | 41 |
| Piper Bros. Farms, Inc., Rt. 4, Waterford----- | 1/ 9,726 | 104,976 | 9,628 | 2,107 | 116,711 | -- | 2 | 3 | 29 | -- | -- | 8 | 42 |
| Tri State Breeders Coop., Westby----- | 23,994 | 375,342 | 71,469 | 6,046 | 452,857 | -- | 6 | 14 | 53 | 7 | - | 3 | 16 |
| ALL-BEEF STUDS OR REPORTS | | | | | | | | | | | | | |
| International Beef Breeders, Box 29007, Denver, Colo. 2/----- | 130 | -- | -- | 2/ 30,000 | 2/ 30,000 | -- | -- | -- | -- | -- | -- | 30 | 30 |
| Armour and Co. Beef Cattle Improvement Re- search, P. O. Box 408, Morris, Ill. 60450----- | -- | -- | -- | 30,318 | 30,318 | -- | -- | -- | -- | -- | -- | -- | -- |
| Report from National Assn. of Animal Breeders, P.O. Box 328, Columbia, Mo. 65202 3/----- | -- | -- | -- | 3/ 51,520 | 3/ 51,520 | -- | -- | -- | -- | -- | -- | -- | -- |
| UNITED STATES----- | | | | | | | | | | | | | |
| 654,311 | 6,165,599 | 1,117,395 | 464,959 | 7,747,953 | 60 | 104 | 319 | 1,101 | 231 | 5 | 47 | 449 | 2,316 |
| 1/ Data may be all or partially estimated when incomplete report was given. | | | | | | | | | | | | | |
| 2/ Beef to beef inseminations were reported for: Colorado, 1,450 cows; Nebraska, 6,900 cows; Nevada, 200 cows; South Dakota, 16,100 cows; Wyoming, 1,050 cows. | | | | | | | | | | | | | |
| 3/ Services performed for individual ranchers who have their own beef bulls. By studs: Louisiana Animal Breeders Coop., 1,700; California Dairy Breeders, 240; Eastern Iowa Breeders, 1,000; Jessup Breeders, 4,500; International Beef Breeders, 20,000; Kansas ABS Unit, 1,000; Maryland-West Virginia Bull Stud, 2,000; New York ABC, 300; Consolidated Breeders Coop., 400; Iowa Breeders Coop., 2,500; M. F. A. Breeding Service, 10,000; Colorado State University, 7,880. Total: 51,520 cows. | | | | | | | | | | | | | |

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